

## MONITORING A CONDITION OF A PNEUMATIC TIRE

**Patent number:** JP2003508299T

**Publication date:** 2003-03-04

**Inventor:**

**Applicant:**

**Classification:**

- international: B60C23/20; G01L17/00; G08B21/00; G08C17/02

- european: B60C23/04C4C; B60C23/20

**Application number:** JP20010521575T 19990903

**Priority number(s):** WO1999US20271 19990903

**Also published as:**

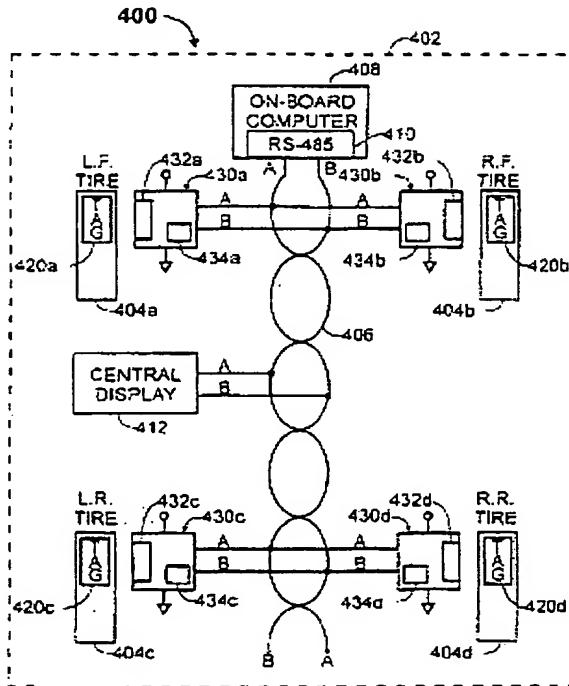
WO0117806 (A1)  
EP1216160 (A1)  
EP1216160 (B1)

[Report a data error here](#)

Abstract not available for JP2003508299T

Abstract of corresponding document: **WO0117806**

An unsafe operating condition, such as low pressure, of a pneumatic tire is monitored by measuring a temperature (T) of the pneumatic tire, determining (304, 308) rates (R1, R2) at which the tire temperature is changing, and indicating (340) when the rate exceeds predetermined values (A, C). The rate (R1, R2) may be determined with respect to time (t), or with respect to some other parameter such as travel distance (x). The predetermined value (C) may be a function of the tire's rotational velocity (V). The rotation speed (V) of the tire may be taken into account. The driver may be alerted when the temperature exceeds a maximum acceptable operating temperature (D) for the tire, or when the temperature of one tire deviates significantly from the temperatures of the other tires on the vehicle.



Data supplied from the **esp@cenet** database - Worldwide